

WHAT IS CLAIMED IS:

1. An optical head device comprising:
  - a laser beam emitting element having a rectangular type body frame in which a semiconductor laser chip is accommodated;
  - a light-emitting element holder that holds the laser beam emitting element and includes a first holder member and a second holder member; and
  - a base portion to which the light-emitting element holder is mounted, wherein the first holder member and the second holder member are fixed to each other so as to respectively abut with part of the laser beam emitting element from both sides to hold the laser beam emitting element.
2. The optical head device according to claim 1, further comprising protruded plate parts that protrude sideward from the rectangular type body frame of the laser beam emitting element and are held by the first holder member and the second holder member from both sides so that the rectangular type body frame is not pressed by the first holder member and the second holder member.
3. The optical head device according to claim 2, wherein the protruded plate parts are formed as a fin for heat radiation.
4. The optical head device according to claim 2, further comprising:
  - a groove part formed on an opposing surface of the first holder member to the second holder member;

a groove part formed on an opposing surface of the second holder member to the first holder member, and

a space that is formed by the groove part of the first holder member and the groove part of the second holder member for accommodating the rectangular type body frame of the laser beam emitting element,

wherein the space is formed larger than the rectangular type body frame.

5. The optical head device according to claim 1, further comprising:

an attaching face formed on the first holder member for attaching to the base portion;

an attaching face formed on the second holder member for attaching to the base portion, and

an aperture formed by the attaching faces of the first and the second holder members for passing the laser beam emitted by the laser beam emitting element through.

6. The optical head device according to claim 1, further comprising means for connecting the first holder member and the second holder member.

7. The optical head device according to claim 1, further comprising a screw that connects the first holder member and the second holder member.

8. The optical head device according to claim 1, further comprising a boss and a hole press-fitted by the boss that connect the first holder member

and the second holder member.

9. The optical head device according to claim 1, wherein the body frame includes an emission face and a back face.

10. The optical head device according to claim 3, wherein the first holder member includes stepped concave parts formed on abutting faces with the second holder member to receive the protruded plate parts.

11. The optical head device according to claim 3, wherein the second holder member includes stepped concave parts formed on abutting faces with the first holder member to receive the protruded plate parts.

12. The optical head device according to claim 10, wherein the protruded plate parts abut against wall surfaces of the stepped concave parts of the first holder member.

13. The optical head device according to claim 11, wherein the protruded plate parts abut against wall surfaces of the stepped concave parts of the second holder member.

14. The optical head device according to claim 1, further comprising means for the attaching light-emitting element holder to the base portion.

15. An optical head device comprising:

a laser beam emitting element having a rectangular type body frame in which a semiconductor laser chip is accommodated;

a light-emitting element holder that holds the laser beam emitting element and includes a first holder member and a second holder member;

a base portion to which the light-emitting element holder is mounted; and

means for attaching the first holder member and the second holder member,

wherein the first holder member and the second holder member are fixed to each other so as to respectively abut with part of the laser beam emitting element from both sides to hold the laser beam emitting element.

16. A method for manufacturing an optical head device comprising:

accommodating a semiconductor laser chip in a laser beam emitting element having a rectangular type body frame;

holding the laser beam emitting element in a light-emitting element holder having a first holder member and a second holder member;

mounting the light-emitting element holder to a base portion; and

attaching the first holder member and the second holder member to each other so as to respectively abut with part of the laser beam emitting element from both sides to hold the laser beam emitting element.

17. The optical head device manufacturing method according to claim 16, further comprising securing protruded plate parts that protrude sideward from the rectangular type body frame of the laser beam emitting element to the

first holder member and the second holder member from both sides so that the rectangular type body frame is not pressed by the first holder member and the second holder member.

18. The optical head device manufacturing method according to claim 17, further comprising forming the protruded plate parts as a fin for heat radiation.

19. The optical head device manufacturing method according to claim 17, further comprising:

forming a groove part on an opposing surface of the first holder member to the second holder member;

forming a groove part on an opposing surface of the second holder member to the first holder member; and

accommodating the rectangular type body frame of the laser beam emitting element in a space that is formed by the groove part of the first holder member and the groove part of the second holder member with the space formed larger than the rectangular type body frame.

20. The optical head device manufacturing method according to claim 16, further comprising:

forming an attaching face on the first holder member for attaching to the base portion;

forming an attaching face on the second holder member for attaching to the base portion; and

passing the laser beam emitted by the laser beam emitting element through an aperture formed by the attaching faces of the first and the second holder members.